

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appl. of: Naphtali Savion : Examiner: Zhoreh Fay

Serial No. 09/341,048 : Group Art Unit: 1618

Filed: August 9, 1999

For: TREATMENT OF THE EYE WITH A PHARMACEUTICAL COMPOSITION

DECLARATION UNDER 37 C.F.R. 1.132

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir/Madam:

The undersigned, Emidio Fedeli, hereby declare and say as follows.

1. I am a citizen of Italy, residing at Ciampino (Rome).
2. I have been awarded the degree of Doctor in Chemistry by the University of Rome.
3. I am currently, and have been for 8 years the Director for Research and Development Tubilux Pharma SpA, in Pomezia, Italy.
4. I am fully conversant with the medical conditions and pharmaceutical compositions employed for that purposes included in the subject matter of U.S. Patent Application Serial No. 10/048,789.
5. The following clinical study was conducted under my supervision.

6. **Clinical Study**

- 6.1 The composition employed for this study, TBX-024, contained the following ingredients in the following amounts:

Soya oil	1.25 % (w/v)
Mean chain triglycerides (MCT)	1.25 % (w/v)
Egg phospholipids	0.30 % (w/v)
Glycerol	2.15 % (w/v)
Methyl-p-hydroxybenzoate	0.05 % (w/v)
Propyl-p-hydroxybenzoate	0.01 % (w/v)
Tocopherol	0.02 % (w/v)
Purified water	q.s. to 100ml

- 6.2 The primary objective of this pilot study was to evaluate the effect of a phospholipid-based microemulsion named TBX-024, which is the subject of U.S. Patent Application No. 09/341,048, on both the extent of the erosion and the recovery time.
- 6.3 The secondary objective was to evaluate the effect of TBX-024 on either the objective or subjective symptoms and on ocular and systemic tolerance.

## **7. Study Design**

The study was designed as a randomized single blind clinical study, and conducted as follows:

- 7.1 Thirty patients suffering from non-infectious corneal erosion were included in the study.
- 7.2 Fifteen patients were then treated each with one drop, four times a day for five days of TBX-024 having the composition described above.
- 7.3 The remaining 15 patients were treated with 0.2% sodium hyaluronate (HA), which was instilled with one drop, four times a day for five days.

## **8. Evaluation Criteria/Efficacy Variables**

For evaluation of the study, certain criteria were developed.

- 8.1 A primary efficacy variable was developed to measure the size of the lesion by fluorescein staining and for the complete recovery time in hours.
- 8.2 A secondary efficacy variable used Visual Analogic Scales (VAS) for subjective and objective symptoms.
- 8.3 A subjective symptom was classified either as feelings of pain, lachrymation, photophobia or foreign body sensation.
- 8.4 An objective symptom was classified as conjunctival hyperemia, chemosis or edema.
- 8.5 The last criterion used was tolerability, with a global local tolerance assessment by an investigator on a VAS and a global local tolerance assessment by the patient on a VAS. These assessments were used to assess systemic safety variables and to evaluate adverse events.

## **9. Results**

### **9.1 Efficacy**

The results of this study demonstrated that the patients treated with the TBX-024 had a faster recovery time and a faster reduction of the severity of both the possible objective and the subjective symptoms

when compared to the patients that received the HA treatment. Both products employed in the study were judged efficacious by an investigator and the patients.

## 9.2 Tolerability & Safety

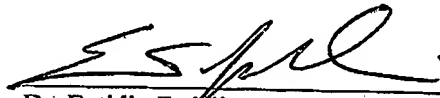
With regards to tolerability and safety, both local and systemic tolerance appeared to be very good with both of the study products.

## 10. Conclusion

The results of this pilot study showed a trend towards better efficacy for the treatment with TBX-024, the treatment of the above-identified patent application, than for the treatment with HA. The treatment of the above-identified patent application performed better, although not yet statistically significantly, in terms of accelerating the patient's recovery time and of reducing the severity of symptomatology. Further studies are in progress to demonstrate the clinical efficacy of TBX-024 in wound healing. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with knowledge that willful false statements and the like are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that willful false statements may jeopardize the validity of the application or any patent issuing thereon.

September 6, 2005

Date

  
Dr. Emidio Fedeli  
Research and Development Director  
Tubilux Pharma SpA

## **CURRICULUM VITAE**

**MICHAEL BELKIN, M.A., M.D.**

### **A. BIOGRAPHICAL**

Name: Michael Belkin

Birthdate: November 14, 1941

Birthplace: Tel-Aviv, Israel

Citizenship: Israel

Marital Status: Married Ruth Loeb, 1967. Three children

Office Address: Goldschleger Eye Research Institute  
Tel-Aviv University School of Medicine  
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June 2005

**B. EDUCATION AND TRAINING**

	<b>INSTITUTION</b>	<b>AREA OF STUDY</b>
	<b>UNDERGRADUATE</b>	
1961 - 1965	Cambridge University England	Natural Sciences Honours B.A. and M.A.
	<b>GRADUATE</b>	
1965 - 1968	Hebrew University Jerusalem, Israel	Medicine M.D. Degree
	<b>POST-GRADUATE</b>	
1968 - 1969	Assaf Harofeh Hospital Tsrifin, Israel	Rotating Internship
1970 - 1975	Hadassah University Hospital, Jerusalem, Israel	Residency in Ophthalmology Board Certified 1975

**C. CERTIFICATES AND LICENSURE**

1969	Licensed by the Israel Ministry of Health to practice medicine. (Licence Number 8339).
1970	Certified by the US Educational Council for Foreign Medical Graduates.
1975	Specialist accreditation in Ophthalmology by the Israel Ministry of Health. (Licence Number 5133).

**D. HONORS**

	<b>INSTITUTE</b>	<b>EVENT</b>
1976	Israel Medical Association	Landau Research Prize
1985	Tel Aviv University	Stein Research Prize
1985	International Ergophthalmological Society	Honorary Merit Diploma and Medal
1989	Tel Aviv University	Stein Research Prize
1990	International Congress of Ophthalmology	Merit Award and Medal
1990	U.S. Army	Edwin S. Beatrice Memorial Lecture
1995	Tel Aviv University	Stein Research Prize
1998	Tel Aviv University	Stein Research Prize
2000	International Meeting of German Ophthalmic Surgeons	Glaucoma Surgery Video Award (2 <sup>nd</sup> place)
2000	Tel Aviv University	Gothelf Prize
2000	Tel Aviv University, Dept. of Physical Astronomy	Dror Sadeh Memorial Lecture
2005	Tel Aviv University	Dean's lecture

**E. PROFESSIONAL EXPERIENCE**

	<b>INSTITUTION</b>	<b>DEPARTMENT/UNIT</b>	<b>POSITION/RANK</b>
1971 - 1976	Hadassah University Hospital, Jerusalem	Ophthalmic Ultrasonography Service	Head of Service
1974 - 1975	Hebrew University Jerusalem	Ophthalmology	Instructor
1974 - 1976	Hadassah University Hospital, Jerusalem	Pediatric Ophthalmology Service	Head of Service
1975 - 1980	Hebrew University Jerusalem	Ophthalmology	Lecturer
1975 - 1976	Hadassah University Hospital Jerusalem	Ophthalmology	Chief Physician
1976 - 1979	Israel Defence Forces Medical Corps	Research & Development Department	Head of department Lieutenant Colonel
1979 - 1981	Letterman Army Research Institute San Francisco	Ocular Hazards Division	Visiting Scientist
1981 - 1987	Tel-Aviv University	Faculty of Medicine	Associate Professor
1981 - 1990	Tel-Aviv University	Goldschleger Eye Research Institute	Director
1981 - 1997	Tel-Aviv University Goldschleger Eye Research Institute	Traumatology, Ergophthalmolgy and Laser Laboratories	Head of Laboratories
1981 - 1983	Sheba Medical Center Dept.of Ophthalmology	Pediatric Ophthalmology Service	Head of Service
1982 - 1993	Tel-Aviv University	Institute of Occupational Health	Faculty Member

<b>Since 1987</b>	<b>Tel Aviv University</b>	<b>Faculty of Medicine</b>	<b>Professor of Ophthalmology</b>
<b>1988 - 1992</b>	<b>Tel Aviv University</b>	<b>Department of Ophthalmology</b>	<b>Chairman</b>
<b>1989 - 1990</b>	<b>Letterman Army Research Institute San Francisco</b>	<b>Ocular Hazards Division</b>	<b>Visiting Professor</b>
<b>1994 - 2001</b>	<b>Walter Reed Army Institute of Research</b>	<b>Medical Research Detachment</b>	<b>Visiting Professor</b>
<b>Since 1997</b>	<b>Tel Aviv University</b>	<b>Ophthalmic Technologies Laboratory</b>	<b>Director</b>



## F. OTHER PROFESSIONAL ACTIVITIES

1977 - 1980	Founding Member and Treasurer, Israel Society for Eye and Vision Research.
1978 - 1983	Member, National Academy of Science Codata Committee.
1978 - 1987	Advisor on Ocular Protection, Israel Standards Institute.
1981 - 1985	<b>President, Israel Society for Eye and Vision Research.</b>
1982 - 1995	Chairman, Committee for Planning of Ophthalmic Care during National Emergencies.
Since 1982	Member, Israel Ophthalmological Society Council.
1983 - 1988	Member, National Advisory Committee for Radiation Safety.
1984 - 1995	National Representative, International Ergophthalmological Society.
1984 - 1990	Member, Israel Ophthalmological Society Board.
Since 1984	Member, Sheba Medical Center Human Use in Biomedical Experiments (Helsinki Committee).
1985 - 1986	Member, Ministry of Health Committee on Optometric Education.
1985 - 1989	Board Member, Research Laboratory for Laser Applications in Cardiology, Sheba Medical Center.
1985 - 1990	Member, Supervisory Committee, Master's Degree in Occupational Health Program, Tel-Aviv University Sackler School of Medicine.
Since 1985	Senior Advisor in Ophthalmology to the Surgeon General, Medical Corps, Israel Defence Forces.
1985 - 1993	<b>Chairman, Permanent Advisory Committee in Ophthalmology, Ministry of Health.</b>
1986 - 1990	Member, Tel-Aviv University Human Use in Scientific Experiments (Helsinki Committee).
1986 - 1996	Member, Board of the Israel Society for Eye and Vision Research.
1987 - 1991	Member, Tel-Aviv University Sackler School of Medicine Clinical Appointments and Promotions Committee.
1987 - 1988	Member, Ministry of Science and Development, Advisory Board on Lasers in Medicine.

1987 - 1992	Member, Scientific Advisory Committee to the Surgeon General, Medical Corps, Israel Defence Forces.
1987 - 1991	Member, Tel Aviv University Sackler School of Medicine Search Committee for Senior Scientists.
1987 - 1987	Member, Tel Aviv University Patents Committee.
1987 - 1988	Chairman, Interministerial Committee for the Usage and Safety of Video Display Terminals.
1988 - 1994	Member, Board of Directors, Ramot, Tel Aviv University Authority for Applied Research and Industrial Development.
Since 1998	World Council Member, International Ergophthalmological Society.
1988 - 1993	Chairman, Advisory Committee for Registration of Ophthalmic Preparations, Ministry of Health.
1989 - 1995	International Advisor, Myopia International Research Foundation.
Since 1989	Founding and Board Member, International Society of Ocular Trauma. Executive Committee Member
Since 1990	Member, Scientific Council, Cardiology Research Institute, Tel Aviv University.
1991 - 2000	Member, International Editorial Board, "Ophthalmology Digest".
1991 - 2000	Assistant Editor, "Journal of Eye Trauma".
Since 1992	Member, International Advisory Board, "Survey of Ophthalmology".
1994 - 1995	Member, World Health Organization Committee on Ultraviolet Radiation Hazards and Protection.
1994 - 1995	Member, Ministry of Health National Laser Policy Committee.
1995 - 1996	Member, Ministry of Health Committee on Laser Medicine Education, Instruction and Licensure.
1995 - 1996	Board Member, Israel Society for Lasers in Medicine and Surgery.
Since 1996	Member, Ministry of Health Committee on Registration of Cosmetic Preparations.
Since 1997	Member, Laser Safety Committee of the Atomic Energy Commission, Israel.
1998 - 2001	Member, ARVO Commercial Relationship Committee, USA.

Since 1998	Chairman, Ophthalmology Committee, National Councils for Health.
1999 - 2000	Member, Senior Advisory Committee on Eyeglasses and Sunglasses, Israel Standards Institute.
2001	Member, Steering Committee on Quality Control of Local Helsinki Committees (IRB) activities. Israel Ministry of Health.
2001	Chairman, Israel Ophthalmological Society Public Health Information Dissemination Committee.
2001-2003	Chairman, Commercial Relationship Committee, Association for Research in Vision and Ophthalmology (ARVO).
2004-2006	Member, Nonionizing Directed Energy Bioeffects Hazards Steering committee, U.S. Army
2005	Member, Sheba Medical Center Patent Committee

## G. MEMBERSHIP OF PROFESSIONAL & SCIENTIFIC SOCIETIES

	SOCIETY	COUNTRY
Since 1969	Israel Medical Association	Israel
Since 1970	Israel Ophthalmological Society	Israel
Since 1975	Israel Association for Medical and Biological Engineering	Israel
Since 1977	International Ergophthalmological Society	International
Since 1977	Israel Society for Eye and Vision Research (Founding member)	Israel
Since 1979	Laser Institute of America	USA
Since 1983	Association for Research in Vision and Ophthalmology (ARVO)	USA
Since 1987	International Society for Optical Engineering (SPIE)	International
Since 1987	International Society for Eye Research (ISER)	International
Since 1989	American Academy of Ophthalmology	USA
Since 1989	International Society for Ocular Trauma (Founding member)	International
Since 1992	International Society of Ocular Inflammation (Founding member)	International
Since 1992	Biomedical Optics Society (BIOS)	International
Since 1993	American Society of Cataract and Refractive Surgery (ASCRS)	USA
Since 1995	Israel Society for Lasers in Medicine and surgery	Israel
Since 1996	European Society for Vision and Eye Research (EVER)	Europe
Since 1998	European Society of Cataract and Refractive Surgery	Europe

Since 1999	European Glaucoma Society	Europe
Since 2003	American Glaucoma Society	USA

## H. RESEARCH GRANTS RECEIVED

	ORGANIZATION	COUNTRY
1973	IDF Medical Research Fund	Israel
1974	Fight for Sight	USA
1975	National Institute of Health	USA
1976	Ophthalmology Research Fund	Switzerland
1982	Schreiber Medical Research Fund	Israel
1982	Schauder Experimental Surgery Fund	Israel
1983 - 1994	U.S. Army Medical Research and Development Command (Laser Eye Effects Project)	USA
1984 - 1986	Ministry of Industry & Trade	Israel
1985	Schauder Experimental Surgery Fund	Israel
1986 - 1992	U.S. Army Medical Research and Development Command (Nerve Regeneration Project)	USA
1987 - 1989	Ministry of Defense (Night Vision Project)	Israel
1989 - 1991	U.S. Israel Binational Science Fund	US-Israel
1991 - 1992	Gothelf Fund	Israel
1991	IDF Medical Corps (Visual Fields Project)	Israel
1992	Ministry of Defense (Night Vision Project)	Israel
1994 - 1996	Wasserman Fund	Israel
1995 - 2000	Scheluche Fund	England
1995	Ministry of Defense (Laser Eye Effects Project)	Israel
1995 - 1996	Ministry of Defense	Israel

## (Night Vision Project)

1995 - 1996	Medinol Ltd.	Israel
1996 - 1999	U.S. Army (Laser Eye Effects Project)	USA
1996 - 1997	Pharmos Ltd.	Israel
1996 - 2000	Optonol Ltd.	Israel
1997 - 2000	Optomedic Ltd.	Israel
1996	Burton Foundation	England
1997	University Research Fund (TAU)	Israel
1997-1998	Teva Ltd.	Israel
1998-1999	Israel Defense Forces (Treatment of Laser Eye Injuries)	Israel
1998-2000	U.S. Army (Retinal Neuroprotection)	USA
1998-1999	Talia Ltd.	Israel
1999-2000	Allergan Inc.	USA
1999-2000	D-Pharm Ltd.	Israel
1999-2000	Zeneca Ltd.	USA
1999-2000	Applied Spectral Imaging Ltd.	Israel
1999-2000	Collgard Ltd.	Israel
2000	Glovinski Fund (TAU)	Israel
2000	Gothelf Fund (TAU)	Israel
2000	Sherf Fund (TAU)	Israel
2000-2001	Polak-Daniels Fund (TAU)	Israel
2001-2002	Maratier Fund (TAU)	Israel
2001-2003	Israel Defense Forces	Israel
2001-2002	Ginzburg Fund (TAU)	Israel
2001-2002	Wasserman Fund (TAU)	Israel
2001-2002	Stein Fund (TAU)	Israel

2002-2003	Maratier Fund	Israel
2002-2003	Ministry of Defence (Laser Injuries)	Israel
2003-2004	Maratier Fund (Alzheimer's)	Israel
2003-2004	Maratier Fund (Laser Injuries)	Israel
2003-2004	Maratier Fund (Hyperbaric therapy)	Israel
2004- 2005	Israel Defence Forces (Night vision)	Israel
2004-2006	Ministry of Defence (Computer effects)	Israel
2004-2006	TheraVitae Inc.	Thailand
2004-2005	Maratier Fund (Hyperbaric therapy)	Israel
2004-2005	Maratier Fund (Myopia etiology)	Israel
2004-2005	Maratier Fund (Photobiomodulation)	Israel
2004-2006	Fogelnost fund (Glaucoma detection)	Israel
2004-2006	Gothelf fund (Glaucoma detection)	Israel
2005-2006	Maratier Fund (Night Vision)	Israel
2005-2006	Allon Inc.	USA
2005-2006	Maratier Fund (Retinal diseases)	Israel
2005-2006	Ministry of Defence (Night vision)	Israel

## I. PATENTS

1. U.S. Patent No. 4,413,890, (Nov. 8, 1983).  
Instrument for Objective Detection of Ocular Disease.
2. European Patent No. EP 0172987 B1 July 17, 1991.  
Israeli Patent Application, No.71440, 1986.  
Nerve Regeneration.
3. Israeli Patent Application, 1987. No. 81285.  
Chemical Eye Protector.
4. Israeli Patent, No. 82295. (Allowed May 23, 1993).  
Composition for the treatment of eyes.
5. Israeli Patent Application, 1987. No. 83913.  
Surgical adhesive.
6. Israeli Patent Application, 1987.  
Induction of brain vascularization
7. Israeli Patent Application, 1987.  
Induction of laminin deposition in the central nervous system.
8. U.S. Patent No.5,510,329 (Apr. 23,1996).  
Preparation for the treatment of Eyes.
9. European Patent No. 1989000114485 (July 2, 1990)  
Factor for the activation of target cells.
10. U.S. Patent No. 5,620,435 (Apr. 15, 1997)  
Eye Surgery.
11. Japanese Patent No. 1985472, 1995.  
Nerve Regeneration.
12. Israel Patent No. 87349, 1994; Finland Patent No. 93925, 1995.  
Activation of glial cells.
13. US Patent application No. 08/539.246  
Ophthalmic Laser Surgery. Allowed Feb 21, 1997.
14. U.S. Patent No. 5,733,276 (March 31, 1998)  
Method for prophylactic therapy for post-operative posterior capsular opacification.
15. U.S. Patent No. 6,761,697  
Method for measuring retinal damage. Allowed July 13, 2004.



## LIST OF PUBLICATIONS

### A. Books Edited

1. Schwartz, M. and Belkin, M.,  
Low Energy Laser Effects on Biological Systems  
SPIE: Bellingham, 1993.
2. Sliney D. and Belkin, M.,  
Ultraviolet Radiation Hazards  
SPIE: Bellingham, 1994.
3. Stuck, B.E. and Belkin, M.  
Laser Inflicted Eye Injuries: Epidemiology, Prevention and Treatment  
SPIE: Bellingham, 1996.
4. Stuck, B.E. and Belkin, M.  
Laser and noncoherent ocular effects  
SPIE: Bellingham, 1997.
5. Rol, P.O., Joos, K.M., Manns, F., Stuck, B. and Belkin, M.  
Ophthalmic Technologies  
SPIE: Bellingham, 1999.
6. Stuck, B.E. and Belkin, M.  
Lasers and non-coherent light ocular effects: epidemiology, prevention and treatment  
SPIE: Bellingham, 2001
7. Stuck, B.E. and Belkin, M.  
Laser and Noncoherent Light Ocular Effects: Prevention and Treatment  
SPIE: Bellingham, 2003
8. Manns, F., Soderberg, P., Ho, A., Stuck, B. and Belkin, M.  
Ophthalmic Technologies  
SPIE: Bellingham, 2005 (In Press)
9. Belkin, M. (section editor)  
In Battler, A. and Leor, J. (Editors)  
Stem Cells and Gene-Based Therapy: Frontiers in Regenerative Medicine  
Springer: London ( In Press)

### B. Articles

1. Belkin, M., Oliver, M. and Cohen, T.  
Congenital glaucoma with different clinical manifestations in members  
of one sibship  
J. Pediat. Ophthalmol. 8: 266-269, 1971.
2. Oliver, M. and Belkin, M.  
Prevalence of ocular diseases other than amblyopia among pre-school  
age children causing severe impairment of vision  
J. Pediat. Ophthalmol. 9: 43-46, 1972.

3. Belkin, M. and Mundel, G.  
Cerebral palsy in Israel  
Harefuah 84: 276-278, 1972.
4. Belkin, M., Oliver, M., Aviel, E. and David, R.  
Surgical treatment of retinoschisis: Anatomical and functional results  
Ann. Ophthalmol. 5: 498-501, 1973.
5. Ticho, U. and Belkin, M.  
Neuroophthalmological manifestations of syphilis  
Harefuah 84: 536-538, 1973.
6. Belkin, M., Ticho, U., Susal, A. and Levinson, A.  
Ultrasonography in the refraction of aphakic infants  
Brit. J. Ophthalmol. 57: 845-848, 1973.
7. Rose, L., Yinon, U. and Belkin, M.  
Myopia induced in cats deprived of distance vision during development  
Vision Res. 14: 1029-1032, 1974.
8. Zeimer, R., Weinreb, A., Loewinger, E., Kalman, Z.H. and Belkin, M.  
Detection and analysis of metals in the eye by x-ray spectrometry  
Med. Physics 1: 251-256, 1974.
9. Michaelson, I.C., Levinson, A., Zauberman, H. and Belkin, M.  
Prevention of war injuries of the eye  
Harefuah 87: 560-562, 1974.
10. Belkin, M., Zeimer, R., Chajek, T., Friedman, G. and Melamed, E.  
Noninvasive quantitation of corneal copper in hepatolenticular  
degeneration (Wilson's disease)  
Lancet 1: 391-392, 1976.  
Abstracted in Selecta 40: 3691-3692.
11. Belkin, M., Loewinger, E., Weinreb, A. and Zeimer, R.  
A noninvasive method for detection and analysis of metals in the eye  
Invest. Ophthalmol. 15: 770-773, 1976.  
Received the Landau Research Prize.
12. Belkin, M., Zauberman, H. and Michaelson, I.C.  
Ocular war injuries  
Part I: Adnexal injuries.  
Harefuah 91: 291-293, 1976.
13. Belkin, M., Zauberman, H. and Michaelson, I.C.  
Ocular war injuries  
Part II: Blunt trauma.  
Harefuah 91: 339-342, 1976.
14. Belkin, M., Zauberman, H. and Michaelson, I.C.  
Ocular war injuries  
Part III: Perforating injuries.  
Harefuah 91: 463-464, 1976.

15. Belkin, M., Zauberman, H. and Michaelson, I.C.  
Ocular war injuries  
Part IV: Intraocular foreign bodies.  
Harefuah 91: 450-454, 1976.
16. Belkin, M., Yinon, U., Rose, L. and Reisert, I.  
Effect of visual environment on refractive error of cats  
Doc. Ophthalmol. 42: 433-437, 1977.
17. Gorodetzky, R., Weinreb, A., Zeimer, R. and Belkin, M.  
Noninvasive copper measurement in chalcosis: Comparison with electroretinography and ophthalmoscopy  
Arch. Ophthalmol. 95: 1059-1064, 1977.
18. Berkovitz, S., Belkin, M. and Tenenbaum, A.  
Childhood myasthenia gravis  
J. Ped. Ophthalmol. 14: 269-273, 1977.
19. Zeimer, R., Gorodetzky, R., Lahav, M. and Belkin, M.  
Experimental chalcosis: A comparison between in-vivo and in-vitro finding  
Arch. Ophthalmol. 96: 115-119, 1978.
20. Zeimer, R., Belkin, M., Leitersdorff, E. and Rachmilewitz, E.A.  
A noninvasive method for the evaluation of tissue iron deposition in  
beta-thalassemia major  
J. Lab. Clin. Med. 91: 24-31, 1978.
21. Belkin, M. and Ivry, M.  
Explosive intraocular foreign bodies  
Amer. J. Ophthalmol. 85: 676-678, 1978.  
Abstracted in Ophthalmic Dig. 1: 28, 1979.
22. Belkin, M., Zeimer, R., Chajek, T., Friedman, G. and Melamed, E.  
Corneal copper quantitation in Wilson's disease  
Metabl. Ophthalmol. 2: 389, 1978.
23. Belkin, M., Zeimer, R., Weinreb, A., Loewinger, E. and Kalman, Z.H.  
Management of non-magnetic intraocular foreign bodies: A new approach with the aid of x-ray spectrometry  
Arch. Ophthalmol. 97: 106-108, 1979.  
Abstracted in: (1) Ophthalmic Digest 2: 14-15, 1980.  
(2) Yearbook of Ophthalmology 1980, pp. 347-348.  
(3) Europ. Sci. Notes 34-7: 339-342, 1980.
24. Belkin, M.  
A retention modification of the limbal ring method for foreign  
body localization  
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25. Kleinman, Y. and Belkin, M.  
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Harefuah 96: 579-581, 1979.

26. Belkin, M.  
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27. Weiss, J.F. and Belkin, M.  
The effect of penicillamine on posttraumatic vitreous proliferation  
Amer. J. Ophthalmol. 92: 625-627, 1981.
28. Ilsar, M., Chirambo, M. and Belkin, M.  
Ocular injuries in Malawi  
Brit. J. Ophthalmol. 66: 145-148, 1982.
29. Belkin, M., Jackobs, D.R., Jackson, S.M. and Zwick, H.  
Senile cataract and myopia  
Ann. Ophthalmol. 14: 49-50, 1982.
30. Lobel, D. and Belkin, M.  
Transilluminated lid plate and chalazion clamp  
Amer. J. Ophthalmol. 94: 413-414, 1982.
31. Belkin, M. and Horev, G.  
Aphakic ultrasonographic refraction in adults. Comparison with  
retinoscopy and subjective refraction  
Metab. Pediat. Syst. Ophthalmol. 6: 269-272, 1982.
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Metab. Pediat. Syst. Ophthalmol. 6: 337-341, 1982.
33. Surinchak, J.S., Alago, M.L., Bellammy, R.F., Stuck, B.E. and Belkin, M.  
Effects of low level energy lasers on the healing of full thickness  
skin defects.  
Lasers Surg. Med. 2: 267-274, 1983.
34. Belkin, M.  
Ocular injuries in the Yom Kippur War  
J. Ocular Therap. Surg. 2: 40-49, 1983.
35. Lobel, D., Blumenthal, M. and Belkin, M.  
A new instrument for removing corneal foreign bodies  
Amer. J. Ophthalmol. 95: 715-716, 1983.
36. Belkin, M., Lund, D.J. and Beatrice, E.S.  
Urokinase treatment of fresh laser irradiation induced vitreous hemorrhage.  
Ophthalmologica 187: 152-156, 1983.
37. Ben-Hanan, Y., Landshman, N., Avni, I., Karasik, A. and Belkin, M.  
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38. Belkin, M., Avni, I., Kessler, E., Hercberg, A., Spierer, A. and Treister, G.  
X-irradiation in the prevention of post-traumatic vitreous proliferation  
*Curr. Eye Res.* 2: 753-756, 1983.
39. Avni, I., Belkin, M., Hercberg, A. and Blumenthal, M.  
Intravitreal 5-fluorouracil in the prevention of post-traumatic vitreous proliferation  
*Ophthalmologica* 188: 5-8, 1984.
40. Belkin, M., Blumenthal, M. and Rosner, M.  
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